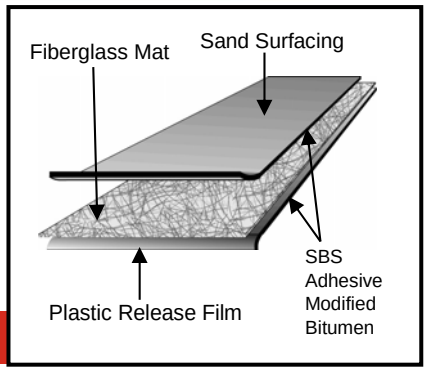
Firestone
Firestone Building Products

# TECHNICAL INFORMATION SHEET

# BASEGARD™ SA Base Sheet




**Item Description**
1 Roll (2 squares)

**Item Number**
W71FSP70SA

**Meets or exceeds performance requirements of ASTM D 4601**

## Product Information

### Description:

Firestone BASEGARD SA Base Sheet consists of a Styrene-Butadiene-Styrene (SBS) rubber modified, self adhesive asphalt blend reinforced with a 1.8 lb/100 ft² (90 g/m²) glass fiber mat and coated with a fine mineral release agent on the top surface and an opaque release film on the bottom surface. Firestone BASEGARD SA Base Sheet can be used as a base layer or as an effective vapor retarder. When used as a vapor retarder, ISO 95+™ GL Insulation, RESISTA™ Insulation or ISOGARD™ HD Cover Board may be adhered to the top of BASEGARD SA Base Sheet with I.S.O. Twin Pack™ Insulation Adhesive, I.S.O.Spray™ R Insulation Adhesive, I.S.O.Stick™ Insulation Adhesive, or hot asphalt.

## Product Packaging

| | |
|---|---|
| Roll Width: | 3' 3" (1 m) |
| Roll Length: | 65' 4" (19.9 m) |
| Net Coverage: | 198 ft² (18.39 m²) |
| Roll Weight: | 70 lb (32 kg) |

| | |
|---|---|
| Pallet Size: | 48" x 39" (1.2 m x 1 m) |
| Rolls per Pallet: | 25 |
| Weight per Pallet: | 1,800 lb (818 kg) |

### Method of Application:

1. Application of SA Primer is always required on concrete and existing roof surfaces. It is required on steel, insulation and cover board substrates unless the layer above the BASEGARD SA is attached with a heat-producing method.
2. Position the roll of BASEGARD SA Base Sheet.
3. Fold back one half (length-wise) of BASEGARD SA Base Sheet and peel off one side of the release film. Apply to the substrate at an angle to ensure a smooth application. Repeat with other side.
4. BASEGARD SA Base Sheet must be installed with 3" (76 mm) side laps and 6" (152 mm) end laps.
5. Firestone recommends that a design professional be consulted regarding the need for a vapor retarder.
6. BASEGARD SA may **not** be used as a temporary roof. Phasing of BASEGARD SA is **unacceptable**.

### Acceptable Immediate Substrates for Self-Adhered Application:

- Structural Concrete (must be clean, dry, properly cured, and primed with SA primer).
- Steel Deck (must be clean, dry, and free of oils. SA Primer is required unless the subsequent layer is attached with a heat-producing method, e.g. hot asphalt, torch, or heat-producing two-part adhesive).
- Existing Smooth Surface BUR or SBS/APP Modified Bitumen (must be clean, smooth, and primed with SA primer).
- DensDeck® Prime, SECUROCK® Gypsum Fiber, STRUCTODEK® HD (SA Primer is required unless the subsequent layer is attached with a heat-producing method, e.g. hot asphalt, torch, or heat-producing two-part adhesive).
- Firestone ISO 95+ GL Insulation, ISOGARD HD Composite or Cover Board, RESISTA Insulation (SA Primer is required unless the subsequent layer is attached with a heat-producing method, e.g. hot asphalt, torch, or heat- producing two-part adhesive).

**NOTE:** Please consult the SBS Design Guide and QuickSpecs online at www.firestonebpco.com to review specific information regarding the type of deck and insulation in use.

# BASEGARD™ SA Base Sheet

## Storage:

- All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 50 °F (10 °C) and a maximum of 100 °F (38 °C) so that it will be 50 °F (10 °C) or above at the time of application. If stored correctly, the shelf life is one (1) year.
- Do not stack Firestone BASEGARD SA Base Sheet more than two (2) pallets high.
- If the material must be stored temporarily on the roof before application, it must be elevated from the roof surface on a pallet, stored on end, and covered from the weather with a light colored opaque tarp in a neat, safe manner that does not exceed the allowable load limit of the storage area.
- Do not store or stage rolls in direct sunlight.

## Precautions:

- For safety information, refer to the Safety Data Sheet (SDS) for APP Membranes and Flashing.
- Take care when transporting and handling Firestone Modified Bitumen rolls to avoid punctures and other types of physical damage.
- Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all Firestone Modified Bitumen membranes.

## LEED® Information:

Post Consumer Recycled Content: 0%
Post Industrial Recycled Content: 0%
Manufacturing Location: Beech Grove, IN
*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

## Typical Properties (Meets ASTM D 4601. Tested in accordance with D 5147)

| Property | ASTM Standard Required Value | Firestone Typical Performance |
|---|---|---|
| Product Thickness: | 40-mil (1 mm) | 70-mil (1.8 mm) |
| Bottom Side Coating: | N/A | 20-mil (0.5 mm) |
| Maximum Load: | 25 lbf/in (4.4 kN/m) | 25 lbf/in (4.4 kN/m) |
| Elongation at Break, Bitumen: | 10% | 10% |
| Adhesion to Plywood (40 °F, 4 °C) | 2 lbf/ft width (0.92 kgf/30.5 cm) | 2 lbf/ft width (0.92 kgf/30.5 cm) |
| Adhesion to Plywood (75 °F, 24 °C) | 12 lbf/ft width (5.44 kgf/30.5 cm) | 12 lbf/ft width (5.44 kgf/30.5 cm) |
| Thermal Stability, max: | 0.1 in (3 mm) | 0.0 in (0 mm) |
| Flexibility Temperature: | -20 °F, (-29 °C) | -20 °F, (-29 °C) |
| Tear Resistance: | 20 lbf (89 N) | 20 lbf (89 N) |
| Sealability around Nail: | PASS | PASS |

Please contact Firestone Technical Services Department at 1-800-428-4511 for further information.